

SUBSTITUTE SPECIFICATION
FOR NATIONAL PHASE SUBMISSION

CLEAN VERSION

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ABSTRACT

[0029] In an actuator unit, the piezo actuator (1) is located inside a tubular spring (3) under pre-stress. To compensate the thermal length modifications of the piezo actuator (1) in relation to the actuator housing (4, 3, 6, 5), the compensation element is configured as an aluminium compensation cylinder (2) that is situated in an extension tube (6). The piezo actuator (1) and the compensation cylinder (2) are mounted in series and conjointly pre-stressed by means of the tubular spring (3) that is extended in relation to the actuator housing by the extension tube (6).